

**Notice of Allowability**

Application No.

10/038,872

Applicant(s)

COLLINS, DAVID ALLAN

Examiner

Perez M. Angelica

Art Unit

2618

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to RCE filed 11/05/2007.
2. ☒ The allowed claim(s) is/are 27-50.
3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
  - a) ☐ All b) ☐ Some\* c) ☐ None of the:
    1. ☐ Certified copies of the priority documents have been received.
    2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
    3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

\* Certified copies not received: \_\_\_\_\_.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

**THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.**

4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
  5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
    - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
      - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date \_\_\_\_\_.
    - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date \_\_\_\_\_.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

**Attachment(s)**

1. ☒ Notice of References Cited (PTO-892)
2. ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date \_\_\_\_\_
4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material
5. ☐ Notice of Informal Patent Application
6. ☐ Interview Summary (PTO-413), Paper No./Mail Date \_\_\_\_\_
7. ☐ Examiner's Amendment/Comment
8. ☒ Examiner's Statement of Reasons for Allowance
9. ☐ Other \_\_\_\_\_.

## **DETAILED ACTION**

### ***Drawings***

1. The drawings received on 7/2/2007 are accepted.

### ***Allowable Subject Matter***

2. Claims 27-50 are allowed.

### ***Reasons for Allowance***

3. The following is an examiner's statement of reasons for allowance:

Regarding claim 27, the prior art of record teaches of a controller for allocating call identity values to call connections associated with a switch, the switch capable of handling call connections between calling devices and called devices on a plurality of trunk lines associated with the switch, the controller comprising: N call application nodes capable of executing a plurality of identity server processes that allocate call identity values to the call connections; and a load sharing group capable of selecting one of a first and second identity server processes to allocate a call identity value to a new call connection according to a load distribution algorithm, where the first identity server process comprises a first primary-backup identity server group, comprising, a first primary identity server application, executing on a first call application node, and a first backup identity server application, associated with the first primary identity server application, and wherein, responsive to a failure of the first primary identity server application, the first backup identity server application assumes the role of first primary identity server application.

The prior art of record fails to teach where **when the new call connection is ended, the selected identity server process is located based on the call identity value and the selected identity server process releases the call identity value by marking the call identity value as unallocated.**

Regarding claim 39, the prior art of record teaches of a wireless network comprising a plurality of base stations capable of communicating with a plurality of mobile stations in a coverage area of the wireless network; and a mobile switching center coupled to the plurality of base stations and to a public switched telephone network by a plurality of trunk lines, the mobile switching center comprising a controller for allocating call identity values to call connections associated with a mobile station, the controller comprising: N call application nodes capable of executing a plurality of identity server processes that allocate call identity values to the call connections, and a load sharing group, capable of selecting one of a first and second identity server processes to allocate a call identity value to a new call connection according to a load distribution algorithm, where the first identity server process comprises a first primary-backup identity server group, comprising, a first primary identity server application, executing on a first call application node, and a first backup identity server application, associated with the first primary identity server application, and where, responsive to a failure of the first primary identity server application, the first backup identity server application assumes the role of first primary identity server application.

The prior art of record fails to teach where **when the new call connection is ended, the selected identity server process is located based on the call identity**

**value and the selected identity server process releases the call identity value by marking the call identity value as unallocated.**

4. Claims 28-38 and 40-50 depend on claims 27 and 37, respectively; therefore, the examiner gives the same reasons for allowance as set forth above.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

***Conclusion***

5. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Angelica Perez whose telephone number is 571-272-7885. The examiner can normally be reached on 6:00 a.m. - 1:30 p.m., Monday - Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Matthew D. Anderson can be reached on (571) 272-4177. The fax phone numbers for the organization where this application or proceeding is assigned are 571-273-8300 for regular communications and for After Final communications.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either the PAIR or Public PAIR. Status information for unpublished applications is available through the Private PAIR only. For more information about the pair system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). Information regarding Patent Application Information Retrieval (PAIR) system can be found at 866-217-9197 (toll-free).


Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the TC 2600's customer service number is 703-306-0377.

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Angelica Perez  
Examiner



MATTHEW ANDERSON  
SUPERVISORY PATENT EXAMINER

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November 30, 2007